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#### MONTHLY

## BIBLIOGRAPHY ON EXOTIC ANIMAL DISEASES

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U. S. EZTT. OF MOTOR TO REMANDED AND STREET SEAMS RECORDS

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
VETERINARY SCIENCES RESEARCH DIVISION
PLUM ISLAND ANIMAL DISEASE LABORATORY
POST OFFICE BOX 848
GREENPORT, LONG ISLAND, NEW YORK 11944



# EXPLANATORY NOTE

- 1. ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY DISEASE.
- 2. DISEASES ARE INDICATED AT THE BEGINNING OF EACH GROUP.
- 3. MULTIPLE SUBJECT AREA, TWO OR MORE DISEASES COVERED IN ARTICLE.
- 4. UNDER DISEASE, ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY AUTHOR'S NAME.
- 5. ON THE RIGHT MARGIN, "PIL", "NUMBER", AND "LIBRARY CLASSIFICATION CALL NUMBER" INDICATE ARTICLE APPEARS IN A PERIODICAL (JOURNAL) IN THE LIBRARY, PUBLICATION IS AVAILABLE IN THE "REPRINT-FILE" UNDER THE INDICATED NUMBER, AND BOOK IS AVAILABLE IN THE LIBRARY.

# MULTIPLE SUBJECT AREA

AFSHAR, A., and BANNISTER, G.L.

Viral infections of the bovine mammary gland.

-- A review article.

VSV:FMD; Rinderpest; Influenza A (duck); ASF.

Vet. Bull. 40(9):681-686, 1970.

PIL

ANON.

Member of Minnesota animal disease control team reports from Vietnam.

Foot-and-mouth disease; Rinderpest.

J. Amer. Vet. Med. Ass. 157(8):1032-1034, 1970.

PIL

BARON, S.

The defensive role of the interferon system.

FMD; VSV.

In: Interferon; Proc. Symp. sponsored N.Y. Heart Ass., 1969,

p. 193-211. Boston, Little, Brown, 268 p., 1970.

QR 360 S98i

BRAND, O.M., and ALLEN, W.P.

Preparation of noninfectious arbovirus antigens.

VEE; Louping ill; RVF.

Appl. Microbiol. 20(3):298-302, 1970.

PIL

CALLIS, J.J., SHAHAN, M.S., and McKERCHER, P.D.

Foot-and-mouth disease.

FMD; VSV; VES.

In: Dis. Swine, 3rd ed., p. 309-336, ed. by Howard W. Dunne.

Ames, Iowa, Iowa State University Press, 1144 p., 1970.

SF 971 D8

DE CLERCQ, E., and MERIGAN, T.C.

Current concepts of interferon and interferon induction.

Scrapie; VSV.

/A review; 371 refs. 7

In: Annu. Rev. Med. 21:17-46, 1970.

Chem. Abstr. 73(5):194(23431n), 1970.

PIL & #8460

Hill वर्षण (1.80) (30) in to the

DORMAN, A.E.

Some notes on animal disease problems associated with interterritorial movement of livestock.

Rinderpest; CBPP:FMD; ASF; Scrapie.

Trop. Anim. Health Prod. 2(2):68-75, 1970.

PIL

DUNNE, H.W.

Abortion, stillbirth, fetal death, and infectious infertility.

FMD; VS; VE; Teschen disease; Talfan.

In: Dis. Swine, 3rd ed., p. 836-868, ed. by Howard W. Dunne. Ames, Iowa, Iowa State University Press, 1144 p., 1970.

SF 971 D8

EL NASRI, M.

The inter-relations and antigenic structure of Mycoplasma mycoides var. mycoides, M. mycoides var. capri, and certain other mycoplasmata.

CBPP; Caprine pleuro.

--Thesis, Ph.D., Univ. Cambridge, pp. , 1966/7.

Index Vet. 37(4):141, 1969, publ. 1970.

PIL

EVANS, G.O., ed.

Proceedings of the 2nd International Congress of Acarology, Sutton Bonington (England) 19th-25th July, 1967. Budapest, Akademiai Kiado, 1969. 652 p.

East Coast fever; Louping ill.

Vet. Bull. 40(9):747-748(4685), 1970.

PIL

F.A.O. ANIMAL PRODUCTION AND HEALTH COMMISSION FOR THE NEAR EAST. 1st Meeting, Beirut, Lebanon, May 1969.

/ Transactions. /

Rinderpest; Foot-and-mouth disease.

F.A.O. Meeting Report AN/1969/4. Trop. Anim. Health Prod. 2(2):98, 1970.

PIL

GREAT BRITAIN.

New order for approval of disinfectants.

Foot-and-mouth disease; Fowl pest (Fowl plague.)

Vet. Rec. 87(13):393, 1970.

PIL

HANSON, R.P.

Vesicular stomatitis.

VSV; FMD; VE.

In: Dis. Swine, 3rd ed., p. 292-308, ed. by Howard W. Dunne. Ames, Iowa, Iowa State University Press, 1144 p., 1970. SF 971 D8

HERBERT, W.J.

Veterinary immunology. Oxford, Blackwell Sci. Publ. /c1970/ xi, 356 p., illus.

OR 183 H47

KARST, O.

Contagious bovine pleuropneumonia: considerations in connection with a future Inter-African eradication campaign. CBPP; Rinderpest.

Bull. Epizoot. Dis. Afr. 18 (2):105-110, 1970.

. . 

PIL

LEACH, R.H.

The occurrence of Mycoplasma arginini in several animal hosts.

M. mycoides var. mycoides (CBPP): M. agalactiae.

Vet. Rec. 87(11):319-320, 1970.

MADIN, S.H.

Vesicular exanthema.

VES; FMD; VSV.

In: Dis. Swine, 3rd ed., p. 270-291, ed. by Howard W. Dunne.

Ames, Iowa, Iowa State University Press, 1144 p., 1970. SF 971 D8

MAYR, A.

Infektiöse Ursachen der embryonalen Sterblichkeit.

FMD; Lumpy skin disease; Cont. ecthyma; Rinderpest;

Fowl plague.

Der Tierzüchter Z. Veredlungswirtschaft 20(6): , 1969.

In: Arb. Inst. Mikrobiol. Infektionskr. Tiere Ludwig

Maximilians-Univ., Munchen 5: No. 1, 1969/70, 1970. SF 745 L4

METCALF, H.E., and JOCHIM, M.M.

Bluetongue in cattle: efficacy of the agar gel precipitin test.

AHS; VSV; FMD; Rinderpest.

Amer. J. Vet. Res. 31(10):1743-1749, 1970.

PIL

PANDEY, R., and SINGH, I.P.

A note on heat, chloroform and ether sensitivity of sheep pox and

goat pox viruses. Sheep pox; Goat pox.

Acta Virol. 14(4):318-319, 1970.

PIL

ROJAHN, A., and MAYR, A.

Zur Notwendigkeit veterinärrechtlicher Regelungen in

Massentierhaltungen.

Rinderpest; FMD; Fowl plague.

Tierärztl. Umsch. 24(1):15-28, 1969.

In: Arb. Inst. Mikrobiol. Infektionskr. Tiere Ludwig

Maximilians-Univ., Munchen 5:No. 2, 1969/70, 1970. SF 745 L4

SINGH, K.V.

Cytophathic effect in cell cultures of rinderpest virus and

some other viruses causing rinderpest-like diseases.

Rinderpest; VSV.

Bull. Epizoot. Dis. Afr. 18(2):111-115, 1970.

PIL

UPPAL, P.K., and NILAKANTAN, P.R.

Studies on the serological relationships between avian pox,

sheep pox, goat pox and vaccinia viruses.

Sheep pox; Goat pox; Cont. Ecthyma.

J. Hyg. (Camb.) 68(3):349-358, 1970.

MIG

#### MULTIPLE SUBJECT AREA

U.S. COMMITTEE ON FOREIGN AFFAIRS. HOUSE OF REPRESENTATIVES.
91st Congress. 1st Session.

Chemical-biological warfare: U.S. policies and international effects; hearings before the Subcommittee on National Security Policy and Scientific Developments, Nov. 18,20; Dec. 2,9,18, and 19, 1969. Washington, D.C., U.S. Govt. Print. Off., v, 513 p., 1970.
FMD; Rinderpest; RVF; VEE.

REF.

## AFRICAN HORSE SICKNESS

DHANDA, M.R., and KUMAR, S.

Problem of horsesickness studies at I.V.R.I. Indian Farming 19(4):39-41, 1969. Index Vet. 37(4):46, 1969, publ. 1970.

PIL

MIRCHAMSY, H., and others.\*

Growth and persistent infection of African horse-sickness virus in a mosquito cell line.

Amer. J. Vet. Res. 31(10):1755-1761, 1970.

\*A. Hazrati, S. Bahrami, and A. Shafyi.

PIL

## AFRICAN SWINE FEVER

BONADUCE, A.

African swine fever. Epidemiology, susceptible species, resistance of the virus.

Acta Med. Vet. Napoli 15:29-39, 1969(I.).

Index Vet. 37(4):24, 1969, publ. 1970.

PIL

MAURER, F.D., and GRIESEMER, R.A.

African swine fever.

In: Dis. Swine, 3rd ed., p. 240-256, ed. by H.W. Dunne.
Ames, Iowa, Iowa State University Press, 1144 p., 1970. SF 971 D8

PLOWRIGHT, W., and PARKER, J.

The pathogenesis of African swine fever in domestic pigs.

Proc. 1st Congr. Int. Pig Vet. Soc., Cambridge, 1969,
p. 42, 1969 (E.F.G.).

Index Vet. 37(4):161, 1969, publ. 1970.

PIL

# BOVINE MAMMILLITIS

RWEYEMAMU, M.M.

Studies on bovine herpes mammillitis.

Thesis, Ph.D., University of Bristol, pp. , 1968. Cited in letter dated 9-15-70 Dr. Callis received from E.P.J. Gibbs.

8053

94 p., 1970.

ARISOY, F., and others.\* Contagious caprine pleuropneumonia. A study of caprine mycoplasma strains using a cross protection test in mice. Pendik Vet. Kontr. Arastirma Enst. Derg. 2(2):102-109(E.) and 110-117 (T.), 1969, publ. 1970. Vet. Bull. 40(9):697(4334), 1970. \*J.R. Etheridge, A. Foggie, and O. Erdag. PIL CHERRY, J.D., and TAYLOR-ROBINSON, D. Growth and pathogenesis of Mycoplasma mycoides var. capri in chicken embryo tracheal organ cultures. Infec. Immun. 2(4):431-438, 1970. PIL CONTAGIOUS AGALACTIA OF SHEEP AND GOATS BALASCAK, J. Mastitis bei Schafen. Nas Chov 28(5):S. 208-209, 1968. Monatsh. Veterinärmed. 25(13):524, 1970. PIL FOGGIE, A., and others.\* Contagious agalactia of sheep and goats. A comparison of 2 Turkish strains of Mycoplasma agalactiae by cross protection tests in goats. Res. Vet. Sci. 11(5):479-481, 1970. \*J.R. Etheridge, O. Erdag, and F. Arisoy. PIL FOGGIE, A., and others.\* Contagious agalactia of sheep and goats. The serial passage in goats of an attenuated strain of Mycoplasma Res. Vet. Sci.  $AIK_{ho}$ : 477-479, 1970. \*J.R. Etheridge, O. Erdag, and F. Arisoy. PIL CONTAGIOUS BOVINE PLEUROPNEUMONIA COTTEW, G.S. Mycoplasmas isolated from cattle in Australia. Aust. Vet. J. 46(8):378-381, 1970. PIL DALEEL, E.E., and MUSTAFA, A.A. Studies on ability of Mycoplasma mycoides (vaccine strain "F") to cause untoward reactions. Bull. Epizoot. Dis. Afr. 18(2):101-104, 1970. PIL PIERCY, D.W. Anaphylaxis in young calves inoculated with heat-inactivated Mycoplasma mycoides. Res. Vet. Sci. 11(5):481-483, 1970. PIL SHIFRINE, M., NEIMARK, H., and BALASSA, B. Contagious bovine pleuropneumonia and Mycoplasma mycoides var. mycoides; a bibliography and index, 1852-1968, appendix 1969-April 1970. Greenport, L.I., N.Y., U.S. Agricultural Research Service, Plum Island Animal Disease Laboratory,



## CONTAGIOUS ECTHYMA OF SHEEP

DZHANIBEKOV, Ch.U.

Fragen der Epizootiologie der kontagiösen Ekthyma der Schafe.

Mater. III. Vsesojuzn. Vet. Virusol. Konf. (Moskva)

No. 2:\$.:188-189, 1968.

Monatsh. Veterinärmed. 25(13):523-524, 1970.

PIL

LOPATNIKOV, G.I.

Vakzinoprophylaxe der kontagiösen Ekthyma der Schafe.

Mater. III Vsesojuzn. Vet. Virusol. Konf. (Moskva)

No. 2:S.:194, 1968.

Monatsh. Veterinarmed. 25(13):524, 1970.

PIL

# DUCK PLAGUE

KONTRIMAVICHUS, L.M.

Infectious enteritis of goslings.

Tr. Vses. Inst. Eksp. Vet. 35:292-301, 1968(R.).

Vet. Bull 40(9):731(4570), 1970.

PIL

# EAST COAST FEVEL

BROCKLESBY, D.W.

The development of Theileria parva in bovine tissues.

J. Parasitol. 56(4, Sec. II, Part 1):35-36(63), 1970. SF 810 A3a I6lp

BROWN, C.G.D., and others.\*

Immunization against East Coast fever. Inoculation of cattle

with Theileria parva schizonts grown in cell culture.

J. Parasitol. 56(4, Sect. II, Proc., Part 4):59-60(963),1970. SF 810

\*W.A. Malmquist, M.P. Cunningham, D.E. Radley, and M.J. Burridge A3A 161p

CUNNINGHAM, M.P., and others.\*

Immunisation against East Coast fever, the relationship between infective dose and the severity of the disease in cattle.

J. Parasitol. 56(4, Sect. II, Proc., Part 4): 61(966),1970.

\*C.G.D. Brown, R.E. Purnell, D.E. Radley, M.J. Burridge,

SF 810 A3A 161p A.J. Musoke, and C. Sempebwa.

CUNNINGHAM, M.P., and others.\*

Immunization against East Coast fever, some effects of irradiation on the infective stage of Theileria parva harvested from infected ticks.

J. Parasitol. 56(4, Sect. II, Proc., Part 4): 60(965), 1970.

\*C.G.D. Brown, R.E. Furnell, A.J. Musoke, and M.J. Burridge. SF 810 A3A 161p

CUNNINGHAM, M.P., and others.\*

The preservation at low temperature of infective particles of Theileria parva.

J. Parasitol. 56(4, Sect. II, Proc., Part 4): 60(964), 1970.

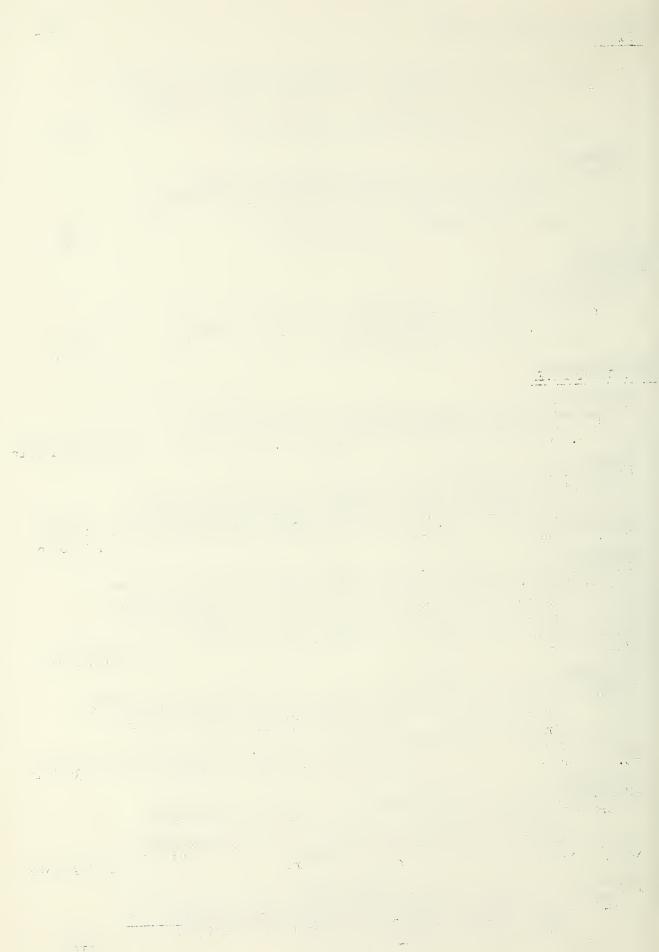
\*C.G.D. Brown, R.E. Purnell, and D. Branagan. SF 810 A3A I61p

IRVIN, A.D., PURNELL, R.E., and PIERCE, M.A.

Infection of Rhipicephalus appendiculatus ticks with Theileria

parva, using a rabbit's head perfusion technique.

Res. Vet. Sci. 11(5):493-495, 1970.



MALMQUIST, W.A., and BROWN, C.G.D.

Cell culture of Theileria parva.

J. Parasitol. 56(4,Sect.II, Proc., Part 4):66-67(975), 1970. SF 810 A3A I6lp

OTENG, A.K.

Epidemiology of East Coast fever in Uganda: a review.

J. Parasitol. 56(4, Sect. II, Part 2):456-457 (827), 1970.

SF 810 A3A I61p

PURNELL, R.E., PIERCE, M.A., and MUSOKE, A.

Carnivores as vehicles for ticks carrying disease agents:

a possible role of the large-spotted genet, Genetta
tigrina, in the epizcotiology of East Coast fever.

Trop. Anim. Health Prod. 2(2):87-89, 1970.

PIL

RADLEY, D.E.

Studies on the growth rate of Theileria parva in the bovine host.

J. Parasitol. 56(4, Sect.II, Part 2):461(835),1970. SF 810 A3A I6lp

SCHINDLER, R.

Immunity and serological reactions after infections with

Theileria and Babesia.

J. Parasitol. 56(4, Sect. II, Part 1):306(566),1970. SF 810 A3A I61p

YEOMAN, G.H.

A field study of a tick vector/cattle disease relationship in East Africa.

Proc. 2nd Int. Congr. Acarol., Sutton Bonington, 1967, pp. 589-594, 1969(ed. by G.O. Evans. Budapest, Akademiai Kiado, 652 p.).

Vet. Bull. 40(9):714(4452), 1970.

PIL

# EPHEMERAL FEVER

INABA, Y., and others.\*

Changes in the pathogenicity and immunogenicity of BHK-cell-passaged strains of bovine epizootic fever virus, and field experiments with these strains for vaccination.

J. Jap. Vet. Med. Ass. 23:16-21, 1970 (J.e.).

Vet. Bull. 40(9):708(4409), 1970.

PIL

# FOOT-AND-MOUTH DISEASE

AVILOV, V.S., and others.\*

Utilization of unfiltered culture fluid for the propagation of foot and mouth disease virus in epithelial explants. Byull. Vses. Inst. Eksp. Vet. No.4:41-42,1968(R.).

Index Vet. 37(4):13, 1969, publ. 1970.

\*I.E. Skorin, A.I. Lebedev, and A.G. Revenkov.



```
BALJER, G.
   Statistische und experimentelle Untersuchungen über
          postvaccinale Komplikationen im Anschluss an die
          Maul- und Klauenseuche-Schutzimpfung.
          Vet. Med. Diss., München 1970.
      Cited in: Arb. Inst. Mikrobiol. Infektionskr. Tiere
          Ludwig Maximilians-Univ., Munchen 5(Dissertationen),
                                                                 SF 745 L4
          1969/70, 1970.
BANCHERO, E.P.de, and SOUTO, J.
  Actividad antivirica de algunas plantas indigenas. (Antiviral
          activity of some Argentine plants.)
          English summary.
          Rev. Invest. Agropecuar., Ser. 5, Patol. Veg. 6(9):
          155-171, 1969.
      Biol. Abstr. 51(17):9616(97834), 1970.
                                                                      PIL
BANOVCANIN, B., and MAJSTOROVIC, G.
   Local changes in the tissue of some experimental animals after
          inoculation of foot and mouth disease vaccines.
          Vet. Glas. 23:511-515, 1969 (Cr.e.r.).
      Index Vet. 37(4):15, 1969, publ. 1970.
                                                                      PIL
BECHMANN. G.
   Untersuchungen zur Wirksamkeitsprufung von MKS-Vaccinen
          an Mäusen.
          Vet. Med. Diss., Munchen 1969.
      Cited in: Arb. Inst. Mikrobiol. Infektionskr.
          Tiere Ludwig Maximilians-Univ., Munchen 5
          (Dissertationen), 1969/70, 1970.
                                                                 SF 745 L4
BEKKUM, J.G. van.
   Epidemiology and control of foot-and-mouth disease in pigs.
          Proc. 1st Congr. Int. Pig Vet. Soc., Cambridge, 1969,
          p. 45, 1969 (E.F.G.).
      Index Vet. 37(4):17, 1969, publ. 1970.
                                                                      PIL
BORZENKOV, V.N., and BORZENKOVA, V.E.
   Anaphylactic reaction to foot and mouth disease vaccine.
          Veterinariya (Moscow) (9):66-67, 1969(R.).
      Index Vet. 37(4):25, 1969, publ. 1970.
                                                                      PIL
BURROWS, R.
   Identification and diagnosis of foot-and-mouth disease.
          Proc. 1st Congr. Int. Pig Vet. Soc., Cambridge, 1969,
          p. 44, 1969 (E.F.G.).
      Index Vet. 37(4):30, 1969, publ. 1970.
                                                                      PIL
BYKOV, I.A., and others.*
   Duration of immunity in cattle inoculated with tissue-culture
          vaccine from type App virus.
          Byull. Vses. Inst. Eksp. Vet. (4):29-30,1968(R.).
      Index Vet. 37(4):30, 1969, publ. 1970.
                                                                      PIL
```

\*S.D. Orlov, A.I. Lebedev, and E.G. Dokudovskii.

17 10 m 11-1 .(..)\*\* .5 - 1

PIL

## FOOT-AND-MOUTH DISEASE

CASTRO, M.P.de Clonal variation in the swine kidney cell line, IB-RS-2, in relation to morphology, karyotype and susceptibility to the foot-and-mouth disease virus (FMDV). Arg. Inst. Biol., Sao Paulo 37(2):103-127, 1970. S 191 B2 COWAN, K.M., and WAGNER, G.G. Immunochemical studies of foot-and-mouth disease. VIII. Detection and quantitation of antibodies by radial immunodiffusion. PIL & J. Immunol. 105(3):557-566, 1970. #7282 DIDERHOLM, H., and DINTER, Z. Susceptibility to some animal viruses of cells transformed by SV40 or polyoma virus. Arch. Exp. Veterinärmed. 24(Sonderh.):29-32, 1970. PIL FAO. Foot and mouth disease in Europe closely watched by FAO commission. (Die MKS Situation in Europa wird sorgfältig überwacht von FAO-Kommission.) FAO-Release, Press 70/47, AN/2. Berlin. Munchen. Tiefarztl. Wochenschr. 83(18):366,1970. PIL FAO. Greek foot-and-mouth outbreak might have been disastrous, says FAO head. (MKS-Ausbruch in Griechenland hätte katastrophal sein können, sagt FAO-Chef.) FAO-Release, Press 70/44, AN/1. Berlin. Munchen. Tierarztl. Wochenschr. 83(18):366, 1970. PIL GREAT BRITIAN. Beef from Argentina. /"It is compulsory for all cattle from three months of age to be vaccinated against foot-and-mouth three times a year. "7 Farmer and Stockbreeder, August 25, 1970. Vet. Rec. 87(10):296, 1970. PIL IRVING, F.A. The environmental and nutritional approach to the cause and prevention of foot-and-mouth disease. Vitalst. Zivilisationskr. 14(2):54-56, 1969. Biores. Index 6(9):4692(63583), 1970. PIL LEBEDEV, A.I., and others.\* Propagation of App virus in explants of bovine tongue epithelium at various culture periods. Byull. Vses. Inst. Eksp. Vet. 33-35, 1968 (R.).

Index Vet. 37(4):114, 1969, publ. 1970.

\*I.E. Skorin, V.S. Avilov, and A.G. Revenkov.

--- C. --

And the Alice Magnetic Control of the Control of t 

LEI, J.C.

Der intravirale Charakter der proflavin-sensibilisierten Photoinaktivierung des Maul-und-Klauenseuche-Virus. (The intraviral mature of photoinactivation of proflavine-sensitized foot and mouth disease virus.) English summary, p. 138.

Arch. Exp. Veterinarmed. 24(Sonderh.):125-139, 1970.

PIL

LUCAM, F., FEDIDA, M., and DANNACHER, G.

Methodes et bilan de quinze annees due controle officiel d'efficacite des vaccins anti-aphteux produits en France. (Methods and results of fifteen years' official testing of foot and mouth disease vaccines in France.

English summary, p. 157.

Arch. Exp. Veterinärmed. 24 (Sonderh.):141-157,1970.

PIL

McVICAR, J.W., and SUIMOLLER, P.

Foot-and-mouth disease: the agar gel diffusion precipitin test for antibody to virus-infection-associated (VIA) antigen as a tool for epizootiologic surveys. PIL & Amer. J. Epidemiol. 92(4):273-278, 1970. #7285

MALAKHOV, A.G.

Biochemical studies on the pathogenesis of foot and mouth disease.

Tr. Vses. Inst. Eksp. Vet. 35:190-201, 1968(R.). Vet. Bull. 40(9):702(4369), 1970.

PIL

MARTHALER, A.

Fatal allergy associated with the vaccination of cattle against foot and mouth disease in Zurich canton. Schweiz. Arch. Tierheilk. 112:125-129, 1970(G.e.f.i.). Vet. Bull. 40(9):702-703(4372), 1970.

PIL

MAYR, A.

Tollwut -- eine Gefahr für Mensch und Tier. Bayer. Landwirt. Jahrb. 46(3):55-56, 1969.

In: Arb. Inst. Mikrobiol. Infektionskr. Tiere Ludwig
Maximilians-Univ., Munchen 5:No. 8, 1969/70, 1970. SF 745 L4

MENZANI, C., and others.\*

Intercurrent infection of groups of cattle with foot and mouth disease and rhinotracheitis viruses.

Atti. Soc. Ital. Buiatria 1:106-110, 1969(I.e.f.).

Vet. Bull. 40(8):628(3882), 1970.

\*F. Carlotto, R. Zoletto, and G. Gagliardi.

NE-3

```
MITEV, G., TEKERLEKOV, P., and NIKOLOVA, E.
   Plakoobrazuvanie pri shapniya virus kultivirna na t'kanni
          kulturi ot teleskhi i svinski b'brek pod pokriven
          plast ot agar. (Plaque formation by foot and mouth
          disease virus grown on calf and pig kidney tissue
          with agar overlay.)
          Vet Med. Nauk. (Sofia) 6(10):45-54, 1969 (in Bulgarian).
      Foot and Mouth Dis. Bull. (Wellcome Res. Labs. Kent)
          9(9):187(70/187), 1970.
                                                                  SF 793 W4
NARDELLI, L., and BURROWS, R.
   A foot-and-mouth-like disease of pigs.
          Proc. 1st Congr. Int. Pig Vet. Soc., Cambridge,
      1969, p. 43, 1969 (E.F.G.).
Index Vet. 37(4):141, 1969, publ. 1970.
                                                                       PIL
NEDJALKOV, St., and others.*
   Versuche zur Gewinnung einer kombinierten Kristall-
          violettvakzine gegen Schweinepest und Aujeszkysche
          Krankheit. I. Mitteilung. (Experimental production
          of a combined crystal violet vaccine against swine
          fever and Aujeszky's disease. 1. Communication.)
          English summary, p. 164-165.
      Arch. Exp. Veterinarmed. 24(Sonderh.):159-165, 1970.
*B. Ribarov, N. Stoilowa, N. Gawrilov, and K. Mermerski.
                                                                       PIL
NEGI, B.S., and KUMAR, S.
   Immunological studies with cell cultured aluminium
          hydroxide gel adsorbed formalin inactivated foot
          and mouth disease type Asia I monovalent vaccine.
      Indian Vet. J. 47(7):555-561, 1970.
                                                                       PIL'
OMORI, S.
   Results of clinical tests for recurrent aphthous stomatitis.
          Oto-Rhino-Laryngol. Tokyo 12(6):451-455, 1969,
          (Japan. with Engl. sum.).
      Biol. Abstr. 51(18):9982(101483), 1970.
                                                                       PIL
ORLOV, S.D., and others.*
   Immunogenicity of foot and mouth disease vaccines in re-
          lation to storage time.
          Byull. Vses. Inst. Eksp. Vet. No. 4:31-32,1968(R.).
      Index Vet. 37(4):150, 1969, publ. 1970.
*I.A. Bykov, Zh.A. Shazhko, and Z.P. Mutuzkina.
                                                                       PIL
PASHOV, T.V., FEDULOVA, E.F., and KIYANITSA, S.L.
   Efficacy of immunolactone in foot and mouth disease in
          piglets.
          Veterinariya(Moscow) (9):43-44, 1969 (R.).
      Index Vet. 37(4):155, 1969, publ. 1970.
                                                                       PIL
```

SF 745 L4

PINTO, A.A., and NETTO, L.P. Estudo sorologico de tres amostras do virus da febre aftosa, do tipo "C" Waldmann, isoladas no Estado de Sao Paulo, Brazil. (Serological study of three samples of footand-mouth disease virus, type "C" Waldmann, isolated in the State of Sao Paulo, Brazil.) English abstract, p. 99. Arq. Inst. Biol., Sao Paulo 37(2):99-102, 1970. S 191 B2 RATNER, L.S., and others.\* Adaptation and propagation of type App virus in surviving epithelium from bovine tongues. Byull. Vses. Inst. Eksp. Vet. 36-38, 1.968 (R.). Index Vet. 37(4):170, 1969, publ. 1970. \*I.E. Skorin, V.S. Avilov, and A.I. Lebedev. PIL REVENKOV, A.G., and others.\* Storage of epithelial tissue in phosphate buffer solution. Byull. Vses. Inst. Eksp. Vet. No. 4:43-44,1968(R.). Index Vet. 37(4):173, 1969, publ. 1970. \*A.I. Lebedev, S.V. Avilov, and I.E. Skorin. PIL RWEYEMAMU, M.M. Observations on foot-and-mouth disease type SATo in Tanzania; August 1968 to August 1969. Bull. Epizoot. Dis. Afr. 18(2):87-100, 1970. PIL S'LAZHOV, E.L. Antigenic properties of the epidemic App strain of foot and mouth disease virus. Byull. Vses. Inst. Eksp. Vet. No. 4:27-28,1968(R.). Index Vet. 37(4):178, 1969, publ. 1970. PIL SALAZHOV, E.L., and ORLOV, S.D. Hyperimmunization of guinea-pigs with foot and mouth disease virus propagated in primary, trypsinized cell cultures. Byull. Vses. Inst. Eksp. Vet. No. 4:39-40,1968(R.). Index Vet. 37(4):178, 1969, publ. 1970. PIL SALAZHOV, E.L., and others.\* Foot and mouth disease in man (type App infection in a milker). Byull. Vses Inst. Eksp. Vet. No.4:57-58,1968(R.). Index Vet. 37(4):178, 1969, publ. 1970. PIL \*V.V. Kosterik, G.A. Mustafaev, and L.A. Lebedenko. SCHLIESSER, Th. Postvakzinale Komplikationen im Anschluss an eine MKS-Schutzimpfung der Rinder. 11. Nordwesdeutsche Tierärztetreffen, Breman 19.4.1969. Cited in: Arb. Inst. Mikrobiol. Infektionskr. Tiere

Ludwig Maximilians-Eniv., Munchen 5(Vorträge),

1969/70, 1970.

(1) (P) 

PIL

SIMMS. M.J. The potency testing of inactivated foot and mouth disease vaccines; a review and bibliography, June 1970. Beckenham, Kert, Wellcome Research Laboratories, 1970. 17 p. #8288/c Foot and Mouth Dis. Bull., Suppl. No. 4. SKORIN, I.E., and LEBEDEV, A.I. Mutagenic effect of nitric acid on the infectious RNA of type A foot and mouth disease virus. Byull. Vses. Inst. Eksp. Vet. No. 4:45-49,1968(R.). Index Vet. 37(4):191, 1969, publ. 1970. PIL STUDDERT, M.J., MARTIN, M.C., and PETERSON, J.E. Viral diseases of the respiratory tract of cats: isolation and properties of viruses tentatively classified as picornaviruses. Amer. J. Vet. Res. 31(10):1723-1732, 1970. PIL TANTAUAI, Kh.Kh. II. Microcinematography of the cytopathic effect of foot and mouth disease virus and its RNA. Byull. Vses. Inst. Eksp. Vet. No. 4:54-56,1968(R.). Index Vet. 37(4):203, 1969, publ. 1970. PIL TANTAUAI, Kh.Kh. I. Mitotic activity of cells in tissue cultures infected with type  $A_{22}$  virus. Byull. Vses. Inst. Eksp. Vet. No.4:50-53,1968(R.). Index Vet. 37(4):203, 1969, publ. 1970. PIL FOWL PLAGUE GAGOV, I. Zur Anti-Viruswirkung des Ammoniumions auf die Reproduktion einiger Viren der Myxogruppe in Zellkulturen. (Antiviral action of ammonium ions on the reproduction of some myxoviruses in cell culture.) English summary, p. 225. Arch. Exp. Veterinarmed. 24(Sonderh.):219-225,1970. PIL GANDHI, S.S., BURKE, D.C., and SCHOLTISSEK, C. Virus RNA synthesis by ultraviolet-irradiated Newcastle disease virus and interferon production. J. Gen. Virol. 9(1):97-99, 1970. PIL GOEDEMANS, W.Th. Adamantanamine, multiple mode of action?

Zentralbl. Bakteriol., Parasitenk., Infektionskr. Hyg. I. Abt. Orig. 214(2):289-291, 1970.

. 1. TI

GREAT	BRITAIN
-------	---------

Fowl pest again threatens.

Vet. Rec. 87(11):314, 1970.

PIL

GREAT BRITAIN

Fowl pest in Essex.

Vet. Rec. 87(13):391-392, 1970.

PIL

KAPITANCIK, B., LESSO, J., and VRTIAK, O.J.

Demonstration of fowl plague virus in the organs of experimentally infected hens by fluorescent antibodies.

Vet. Cas. 12:23-27, 1969 (E.r.slk.).

Vet. Bull. 40(8):637(3948), 1970.

PIL

MACHIN, S.J., POTTER, C.W., and OXFORD, J.S.

Changes in the antibody status of a population following

epidemic infection by influenza virus A3/Hong Kong/1/68.

J. Hyg. (Camb.) 68(3):497-504, 1970.

PIL

MAHY, B.W.J., and BROMLEY, P.A.

In vitro product of a ribonucleic acid polymerase induced by influenza virus.

J. Virol. 6(3):259-268, 1970.

PIL

ROTT, R., and SCHOLTISSEK, C.

Specific inhibition of influenza replication by a-amanitin. Nature(London) 228(5266):56, 1970.

PIL

SETO, J.T., and ROTT, R.

Functional significance of sialidase during influenza virus multiplication.

Virology 30(4):731-737, 1966.

PIL

#### LOUPING ILL

BEGUM, F., WISSEMAN, C.L., Jr., and TRAUB, R.

Tick-borne viruses of West Pakistan. I. Isolation and general characteristics.

Amer. J. Epidemiol. 92(3):180-191, 1970.

PIL

MÜLLER, W.

Experimentelle Untersuchungen über das Vorkommen von Arboviren in Unterfranken. 1. Teil: Versuche zur Virusisolierung aus Zecken. (Experimental research into the existence of arboviruses in Lower Franconia/W. Germany. Part 1: Virus isolation experiments with ticks.) English abstract.

Zentralbl. Bakteriol., Parasitenk., Infektionskr.

Hyg. I. Abt. Orig. 214(2):145-159, 1970.

und in the second of the secon

WALTON, G.A., and O'DONNELL, T.G. Observations on Ixodes ricinus and louping ill virus in Ireland. Proc. 2nd Int. Congr. Acarol., Sutton Bonington, 1967, pp. 601-608, 1969 (ed. by G.O. Evans. Budapest, Akademiai Kiado, 652 p.). Vet. Bull. 40(9):715(4454), 1970. PIL CORRECTION: Above entry supersedes listing in the June 1970 bibliography, p. 141. LUMPY SKIN DISEASE PEREIRA, M.L.G.C. Um surto de dermatite nodular na regiao do Sabie. (Dermatose nodulaire dans la region de Sabie.) Rev. Cienc. Vet. (Lourenco Marques) 1(1):139-155, 1968 (por.e.f.). Rev. Elev. Med. Vet. Pays Trop. 23(1):120(70-006), 1970. PIL RIFT VALLEY FEVER KLEIN, F., and others.\* Concentration of Rift Valley fever and chikungunya viruses by precipitation. Appl. Microbiol. 20(3):346-350, 1970. \*B.G. Mahlandt, R.R. Cockey, and R.E. Lincoln. PIL VALADAO, F.G. Preliminary note on the occurrence of a virus disease new in Mozambique: Rift Valley fever. Vet. Mocamb. 2:13-20, 1969 (Por.e.f.i.). Vet. Bull. 40(8):632(3912), 1970. PIL RINDERPEST LANE, J. A Warwickshire Cattle Plague Association. Vet. Rec. 87(11):312-314, 1970. PIL LAWN, A.M. Ultrastructural features of canine distemper virus infection of the chorioallantoic membrane of the hen's egg. J. Gen. Virol. 8(3):157-164, 1970. PIL PROVOST. A. Reflections on the general epidemiology of rinderpest in Central Africa in the light of recently acquired information. Pap. read at "Colloque O.C.A.M. sur l'Elevage", Fort-Lamy 8-13 December 1969, pp. 5, 1969 (F.). Vet. Bull. 40(9):707(4404), 1970. PIL 7a) 

#### RINDERPEST

SINGH, K.V., and OSMAN, O.A.

Response of pregnant Danish friesian cows to tissue culture rinderpest vaccine.

Nord. Veterinarmed. 22(7-8):410-413, 1970.

PIL

## SCRAPIE

CLARKE, M.C., and HAIG, D.A.

Multiplication of scrapie agent in cell culture. Res. Vet. Sci. 11(5):500-501, 1970.

PIL

U.S. AGRICULTURAL RESEARCH SERVICE. ANIMAL HEALTH DIVISION. Scrapie outbreaks in the United States.

Letter insert received with Anim. Morb. Rep., April 22, 1970.

#8127/20

#### TESCHEN DISEASE

BETTS, A.O.

Porcine enteroviruses.

In: Dis. Swine, 3rd ed., p. 356-369, ed. by Howard W. Dunne,
Ames, Iowa, Iowa State University Press, 1144 p.,
1970.
SF 971 D8

ENGLER, E., and URBANECK, D.

Die diagnostische Bedeutung der histopathologischen Veränderungen des Zentralnervensystems bei kummernden Läuferschweinen nach Schweinepest-infektion. (Diagnostic significance of the histopathological changes found in the central nervous system of runted store pigs following swine fever infection.)

English summary, p. 1180.

Arch. Exp. Veterinärmed. 23(6):1163-1182, 1969.

PIL

JONES, T.C.

Encephalomyelitides.

In: Pis. Swine, 3rd ed., p. 370-388, ed. by Howard W. Dunne. Ames, Iowa, Iowa State University Press, 1144 p., 1970.

SF 971 D8

KADOI, K., KOBORI, S., and MORIMOTO, T.

Studies on swine enteroviruses. Japanese 6th serotype and relationship between heat susceptibility and cytopathic effects.

Jap. J. Microbiol. 14(2):111-121, 1970.

PIL

RAMISSE, J., and others.\*

Recherches sur le diagnostic experimental de la peste porcine classique par la methode d'exaltation du virus de Newcastle. (Researches on the experimental diagnosis of classical swine fever by the exaltation method of Newcastle virus.)

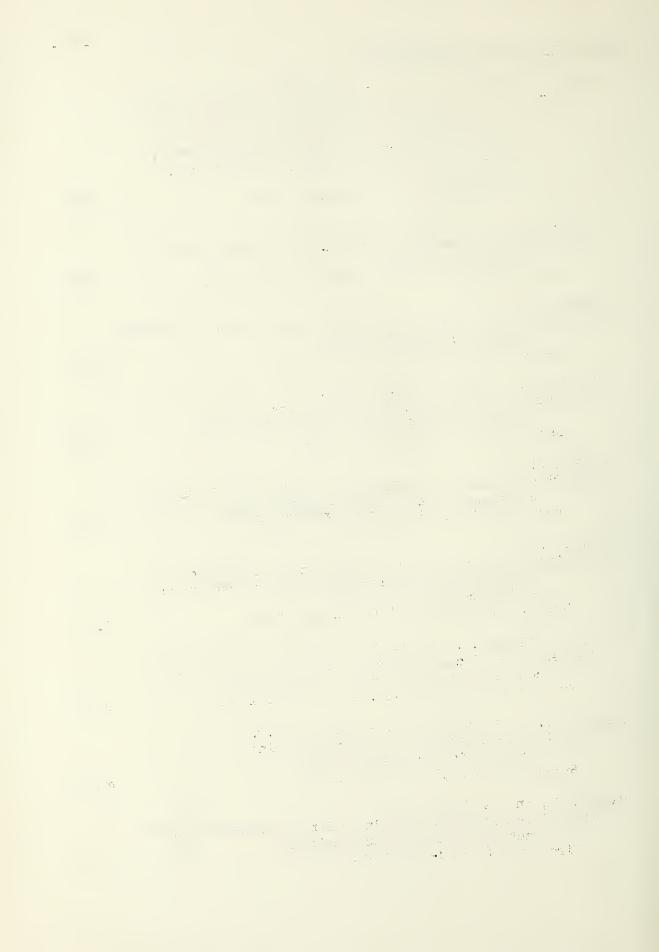
English summary, p. 12-13.

Rev. Elev. Med. Vet. Pays Trop. 23(1):1-13, 1970.

\*H. Serres, E. Rakotondramary, H. Ramambazafy, R. Randriamampianina, and J. Totoasy. PIL

tus Linda di k Service of the first of the fir Constructivities #11 :0 MAN an april no service and a

BEGUM, F., WISSEMAN, C.L., Jr., and CASALS, J. Tick-borne viruses of West Pakistan. IV. Viruses similar to, or identical with, Crimean hemorrhagic fever (Congo-Semunya), Wad Medani and Pak Argas 461 isolated from ticks of the Changa Manga Forest, Lahore District, and of Hunza, Gilgit Agency, W. Pakistan. Amer. J. Epidemiol. 92(3):197-202, 1970. PIL FRANCK, P.T., and JOHNSON, K.M. An outbreak of Venezuelan encephalitis in man in the Panama Canal Zone. Amer. J. Trop. Med. Hyg. 19(5):860-865, 1970. PIL GRUBER, J. Purification, concentration, and inactivation of Venezuelan equine encephalitis virus. Appl. Microbiol. 20(3):427-432, 1970. PIL HRUSKOVA, J., DANES, L., and KLIMENT, V. Influence of the host system on the properties of Venezuelan equine encepahlomyelitis virus. Acta. Virol. 14(4):272-278, 1970. PIL JOHNSON, J.W. Growth of Venezuelan equine encephalitis virus in tissue cultures of minced Aedes aegypti Pupae. Bacteriol. Proc. 669:185-186(V236), 1969. PIL MILLER, W.S. Studies of the response of White Carneau pigeons to respiratory and subcutaneous doses of Venezuelan equine encephalitis virus. Amer. J. Epidemiol. 84(2):181-192, 1966. PIL NIMS, L., FRYER, J.L., and PILCHER, K.S. Studies of replication of four selected viruses in two cell lines derived from salmonid fish. Proc., Soc. Exp. Biol. Med. 135(1):6-12, 1970. PIL SIDWELL, R.W., GEBHARDT, L.P., and THORPE, B.D. Epidemiological aspects of Venezuelan equine encephalitis virus infections. Bacteriol. Rev. 31(1):65-81, 1967. PIL WALLIS, C., and MELNICK, J.L. Herpesvirus neutralization: induction of the persistent fraction by insufficient antibody. Virology 42(1):128-137, 1970. PIL



## VESICULAR EXANTHEMA OF SWINE

BOTTCHER, R., and MAHLER, R.

Untersuchungen über die Persistenz des IBR-IPV-Virus des Rindes im Samen naturlich infizierter Bullen. (Investigations on the persistence of the bovine IBR-IPV virus in the semen of naturally infected bulls.)

English summary, p. 423-424.

Deut. Tierärztl. Wochenschr. 77(17):421-424, 1970.

PIL

PIL

LONG, G.W., and others.\*

Experience with electron microscopy in the differential diagnosis of smallpox.

Appl. Microbiol. 20(3):497-594, 1970.

\*J.Nobke, Jr., F.A.Murphy, K.L.Herrmann, and B. Lourie

PETZOLDT, K.

Neue ätiologische Aspekte beim Bläschenausschlag der Pferde und der Rinder. (New etiological aspects of coital exanthema of horses and cattle.) English summary, p. 164.

Deut. Tierarztl. Wochenschr. 77(7):162-164, 1970. Vet. Bull. 40(9):707(4403), 1970.

PIL

## VESICULAR STOMATITIS

ALLEN, P.T., and GIRON, D.J.

Rapid sensitive assay for interferons based on the inhibition of MM virus nucleic acid synthesis. Appl. Microbiol. 20(3):317-322, 1970.

PIL

DE MAEYER, E., DE MAEYER-GUIGNARD, J., and JULLIEN, P. Circulating interferon production in the mouse. Origin and nature of cells involved and influence of animal genotype.

> In: Interferon; Proc. Symp. sponsored N.Y. Heart Ass., 1969, p. 43-56. Boston, Little, Brown, 268 p., QR 360 S98i 1970.

FALCOFF, R., FALCOFF, E., and CATINOT, L.

Interferon induction by and infectivity of ultravioletirradiated double-and multistranded viral RNA's. Biochim. Biophys. Acta 217(1):195-198, 1970.

PIL

FLAMAND, A.

Etude genetique du virus de la stomatite vesiculaire: classement de mutants thermosensibles spontanes en groupes de complementation.

English summary, p. 195. J. Gen. Virol. 8(3):187-195, 1970.

PIL

PIL

FRIEDMANN, T., and HAAS, M.

Rapid concentration and purification of polyoma virus and SV40 with polyethylene glycol.

Virology 42(1):248-250, 1970.

PIL

GALIN, M.A., and WEISSENBACHER, M. Interferon and ocular viral disease. / Invited discussion. / In: Interferon; Proc. Symp. sponsored N.Y. Heart Ass., 1969, p. 249-258. Boston, Little, Brown, 268 p., 1970. QR 360 S98i HAVELL, E.A., HOLTERMANN, O.A., and STARR, T.J. The influence of the indigenous bacterial flora upon the interferon response of mice. J. Gen. Virol. 9(1):93-95, 1970. PIL HUNTINGDON RESEARCH CENTER, INC., Baltimore, Md. Preparation of mycoplasma seed antigen, antiserum, and fluorescein labeled antibody reagents and conduct of a mycoplasma detection and identification service; annual contract progress report, 1 March 1968 to 1 March 1969. Theodore R. Carski, Norman F. Robillard, and Richard A. DelGiudice. Baltimore, 24 leaves, 1969. #8461 KLEINSCHMIDT, W.J., DOUTHART, R.J., and MURPHY, E.B. Interferon production by T4 coliphage. Nature (London) 228(5266):27-30, 1970. PIL MAEHARA, N., and NAGANO, Y. Heat-labile virus-inhibiting factor or interferon induced by virus. Jap. J. Microbiol. 14(4):257-260, 1970. PIL MATSUYAMA, M., KAWADE, Y., and FUKADA, T. RNA-induced interference with animal virus infection. Dependence on cellular metabolic activity. Jap. J. Microbiol. 14(4):303-309, 1970. PIL MERIGAN, T.C. Interferon stimulated by double stranded RNA. Nature(London) 228(5268):219-222, 1970. PIL NAGANO, Y., MAEHARA, N., and NAKAMURA, W. Role of circulating leukocytes in the production of virus-inhibiting factor or interferon. Jap. J. Microbiol. 14(3):209-213, 1970. PIL PAUCKER, K., SHECHMEISTER, I.L., and BIRCH-ANDERSON, A. Studies on the multiplication of vesicular stomatitis

antibodies.

Acta Pathol. Microbiol. Scand., Sect. B-Microbiol.

Immunol. 78(3):317-329, 1970.

virus with fluorescein and ferritin conjugated

41.TO

PREVEC, L., and KANG, C.Y.  Homotypic and heterotypic interference by defective particles of vesicular stomatitis virus.  Nature (London) 228(5266):25-27, 1970.	PIL
RHIM, J.S., and others.*  Long-term in vitro cultivation of Rauscher leukemia virus in rat embryo cells.  Proc. Soc. Exp. Biol. Med. 135(1):160-166, 1970.	
*M.H. Joglekar, E.S. Richardson, N.A. Wivel, and R.J. Huebner.	PIL
SINGER, S.H., KIRSCHSTEIN, R.L., and BARILE, M. Increased viral yields and decreased interferon production in Mycoplasma-infected hamster cells. Bacteriol. Proc. 69:187(V245), 1969.	PIL
SINGH, B., and POSTIC, B.  Enhanced resistance of mice to virulent Japanese B  encephalitis virus following inactivated vaccine and poly I:C.  J. Infec. Dis. 122(4):339-342, 1970.	PIL
TAN, Y.H., and others.*  Regulation of cellular interferon production: enhancement by antimetabolites.  Proc. Nat. Acad. Sci. U.S.A. 67(1):464-471, 1970.	LTD
*J.A. Armstrong, Y.H. Ke, and M. Ho.	PIL
WRATHALL, A.E., and others.*  Successful intercontinental pig conceptus transfer.  Vet. Rec. 87(8):226-228, 1970.  *J.T. Done, P. Stuart, D. Mitchell, K.J. Betteridge, and G.C. B. Randall.	PIL
YAMADA, M., and others.*  Relationship between immunity and interferon production in macrophages. I. Effect of immunity on interferon production.  Jap. J. Microbiol. 14(4):311-318, 1970.	
*M. Azuma, R. Nishioka, and T. Togashi.	PIL
YAOI, Y., and AMANO, M.  Inhibitory effect of ultraviolet-inactivated vesicular stomatitis virus on initiation of DNA synthesis in cultured chick embryo cells.  J. Gen. Virol. 9(1):69-75, 1970.	PIL
YAOI, Y., MITSUI, H., and AMANO, M.  Effect of U.virradiated vesicular stomatitis virus on nucleic acid synthesis in chick embryo cells. J. Gen. Virol. 8(3):165-172, 1970.	PIL

Type Control of the C : : : ÷ 141**3** , = p\* TY: .T. a e y gendom. Po en de la companya de . And the second of the second o -- H and -- 47.5

## VISNA DISEASE

STRAUB, O.C.  Uber die Isolierung von Maedi-/Visna-Virus(MVV) aus einem deutschen Schafbestand. / Isolation and identification of Maedi-/Visna-Virus (MVV) from cerebrospinal fluid and aspirated lung material./ English summary, p. 360. Berlin. München. Tierärztl. Wochenschr. 83(18): 357-360, 1970.	PIL
MISCELLANEOUS	
ANON.	
Australia antigen test outlined.  J. Amer. Med. Ass. 214(1):35-36, 1970.	PIL
ASCH, B.B., and GIFFORD, G.E.	
Fowlpox virus: interferon production and sensitivity.  Proc. Soc. Exp. Biol. Med. 135(1):177-179, 1970.	PIL
BENTVELZEN, P., and others.*	
Genetic transmission of viruses that incite mammary tumor in mice.	
Proc. Nat. Acad. Sci. U.S.A. 67(1):377-384, 1970. *J.H. Daams, P. Hageman, and J. Calafat.	PIL
BOCKSTAHLER, L.E., and LYTLE, C.D. Ultraviolet light enhanced reactivation of a mammalian virus.	
Biochem. Biophys. Res. Commun. 41(1):184-189, 1970.	PIL
EDWARD, D.G. ff., and FRUENDT, E.A.  Amended nomenclature for strains related to Mycoplasma	
J. Gen. Microbiol. 62(1):1-2, 1970.	PIL
FUKUYAMA, K., AND others.*  Immunohistochemical method for localization of anti- bodies in cutaneous disease.	
Amer. J. Clin. Pathol. 54(3, Part 1):410-418, 1970. *S.D. Douglas, D.L. Tuffanelli, and W.L. Epstein.	PIL
GROSSGEBAUER, K. Virus disinfection.	
A review with 77 refs.  Disinfection, p. 103-148, 1970(E.).  Chem. Abstr. 73(15):265(76009n), 1970.	PIL

and the second

ENGLIE AND IN

State of Error Commence of the American State of the American Stat T 1.1 

alv.

は、から、 一等を で ない これ (Audio Audio Au HOFMANN, H., RADDA, A., and ASPOCK, H. Experimentelle Infektion der wiessen Maus mit Calovo-Virus. I. Resistenz adulter Tiere gegenüber der peripheren Infektion. (Experimental infection of white mice with Calovo virus. I. Resistance of adult animals against peripherial infection.) English abstract. Zentralbl. Bakteriol., Parasitenk., Infektionskr. Hyg. I. Abt. Orig. 214(2):174-178, 1970. PIL HUEBNER, R.J., and others.\* Group-specific antigen expression during embryogenesis of the genome of the C-type RNA tumor virus: implications for ontogenesis and oncogenesis. Proc. Nat. Acad. Sci. U.S.A. 67(1):366-376, 1970. \*G.J. Kelloff, P.S. Sarma, W.T. Lane, H.C. Turner, R.V. Gilden, S. Oroszlan, H. Meier, D.D. Myers, and R.L. Peters. PIL INABA, Y., and others.\* Nomi virus, a virus isolated from an apparently new epizootic respiratory disease of cattle. Jap. J. Microbiol. 14(3):246-248, 1970. \*Y. Tanaka, K. Sato, H. Ito, T. Omori, and M. Matumoto. PIL IRVIN, A.D., and BROCKLESBY, D.W. Rearing ammaintaining Rhipicephalus appendiculatus in the laboratory. J. Inst. Anim. Tech. 21(3):106-112, 1970. PIL KAO, F-T., and PUCK, T.T. Genetics of somatic mammalian cells: linkage studies with human-Chinese hamster cell hybrids. Nature(London) 228(5269):329-332, 1970. PIL KRAMER, T.T., and CHO, H.C. Transfer of immunoglobulins and antibodies in the hen's egg. Immunology 19(1):157-167, 1970. PIL LEVY, J.A., and PINCUS, T. Demonstration of biological activity of a murine leukemia virus of New Zealand Black mice. Science(Washington) 170(3955):326-327, 1970. PIL LOGAN, E.F., and others.\* The recovery of immunoglobulin G from horses by combination of selective plasmapheresis and forced flow electrophoresis. Res. Vet. Sci. 11(5):431-437, 1970. \*A. Stenhouse, J.G. Watt, and A.E. Clark. PIL

The second secon 

PIL

MELLBYE, O.J., and NATVIG, J.B.  Experimentally produced antibodies to the pepsin site of IgG due to untreated autologous IgG in immune complexes.	DIT
Clin. Exp. Immunol. 7(2):257-267, 1970.	PII
MINIELLY, J.A., and HOLLEY, K.E.  Apparatus for incubating and washing slides in immuno- fluorescent preparations.  Amer. J. Clin. Pathol. 54(3, Part 1):427-427, 1970.	PII
MUAZZAM, M.G., and SNEDDON, M. Sensitivity of baby hamster kidney (BHK21-C 13) cells to enteric viruses. Brief report. Arch. Gesamte Virusforsch. 30(4):405-407, 1970.	PI
NARDELLI, L., and others.*  Influenzavirusinfektionen bei Japanischen Wachteln.  (Influenza-virus infections in Japan quails.)  English summary, p. 248.  Arch. Exp. Veterinarmed. 24(Sonderh.):231-249,1970.  *A.Rinaldi, H.G. Pereira, and G. Mandelli.	PII
PAHUD, J.J., and MACH, J.P.  Identification of secretory IgA, free secretory piece and serum IgA in the ovine and caprine species.  Immunochemistry 7(8):679-686, 1970.	PI
PAYNE, R.B.  The controlling effect of carbohydrate in human, rabbit, and bovine immunoglobulin G on proteolysis by papain.  Biochem. J. 111(4):473-478, 1969.	PII
SCHMIDT, N.J., and LENNETTE, E.H.  Complement fixation and immunodiffusion tests for assay of hepatitis-associated "Australia" antigen and antibodies.  J. Immunol. 105(3):604-613, 1970.	PI
SNELSON, J.T., and FRENCH, G.T. Structure and function of the Technical Committee on Veterinary Drugs. Aust. Vet. J. 46(8):393-397, 1970.	PI
TILNEY, N.L.  The systemic distribution of soluble antigen injected into the footpad of the laboratory rat.  Immunology 19(1):181-184, 1970.	PII

V - # - - # - --14 1.377 3 1.45.7 and the second second er eg - 35c 11 ,

## MISCELLANEOUS

WERNER, H.-P., KLEIN, H.-J., and ROTTER, M.

Die Empfindlichkeit verschiedener Mikroorganismen
gegen Athylenoxyd. (The sensitivity of several
microorganisms to ethylene oxide.)
English abstract.

Zentralbl. Bakteriol.. Parasitenk.. Infektionskr.

Zentralbl. Bakteriol., Parasitenk., Infektionskr. Hyg. I. Abt. Orig. 214(2):262-271, 1970.

PIL

ZIERDT, C.H., and NORRIS, G.F.
Improved tissue and cell homogenizer.
Appl. Microbiol. 20(3):529-530, 1970.

PIL